
Weekly Report / MEI Honghui

8.14-8.20

DTI Paper to CJE

Modified for submission.

Still remain some citation to add.

ChinaVis Survey to JVLC

Applied template of JVLC.

PPT Update for Visualization Course

Added something new: JavaScript canvas libraries (e.g. Three.js) , Voyager, Power BI.

TVCG Workshop

Wrote a note.

Paper Read

[1] Y. Wang et al., “A Perception-Driven Approach to Supervised Dimensionality Reduction for Visualization,” IEEE Trans. Vis. Comput. Graph., vol. 1, no. c, pp. 1–1, 2017.

Automated generation of projection with concern of users’ perception.

[2] C. C. Gramazio, D. H. Laidlaw, and K. B. Schloss, “Colorgical: Creating discriminable and preferable color palettes for information visualization,” IEEE Trans. Vis. Comput. Graph., vol. 23, no. 1, pp. 521–530, 2017.

A color palette generator (like colorBrewer) using some perceptual quantitative measurement.

[3] J. Heer and M. Stone, “Color naming models for color selection, image editing and palette design,” CHI’12 (Proceedings 2012 ACM Annu. Conf. Hum. Factors Comput. Syst., p. 1007, 2012.

A “name distance” of color used in [2].

[4] M. Correll and J. Heer, “Regression by Eye : Estimating Trends in Bivariate Visualizations,” Chi 2017, 2017.

Perceptual research on regression: eye trends are similar to the least squared one, but lack of awareness of outliers.

TODO Next Week

- DTI Paper to CJE
 - Add more citation
 - Write more in cover letter
- ChinaVis Survey to JVLCC
 - Wait for submission
- CHI Submission
 - Think if VisComposer is suitable for submission
 - Begin VisEvo work
 - ◆ Continue code reconstruction